bio-protocol Preprint

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B-Galactosidase Immunofluorescence

JR Janani Ramachandran SV Steven A Vokes

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An abbreviated version of this protocol was published in eLIFE in Nov 2022

Hedgehog regulation of epithelial cell state and morphogenesis in the larynx

DOI: 10.7554/eLife.77055

Detailed protocol

B-Galactosidase IF stain on OCT sections (ab9361 from Abcam)

1) Bring slides to room temperature (RT) (usually five minutes or so)
2) Wash in 1x PBS for 5 minutes (done at bench, no rocking)
3) Wash in 1xPBS with 0.05% Triton for 10 minutes (done at bench, no rocking)
4) Rinse in 1x PBS
5) Incubate in 1xPBS with 5% NDS (normal donkey serum) for 30min-1hr
6) Incubate in primary antibody (1:1000 dilution) in 1xPBS overnight at 4 degrees Celsius
7) Wash 3x in 1xPBS (rocking)
8) Incubate in secondary antibody (1:250-1:500) in 1xPBS for one hour at RT
9) Wash 3x in 1xPBS (rocking)
10) Coverslip

How to cite:（Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used）

1. Ramachandran, J. and Vokes, S. (2023). B-Galactosidase Immunofluorescence. Bio-protocol Preprint. bio-protocol.org/prep2196.
2. Ramachandran, J., Zhou, W., Bardenhagen, A. E., Nasr, T., Yates, E. R., Zorn, A. M., Ji, H. and Vokes, S. A.(2022). Hedgehog regulation of epithelial cell state and morphogenesis in the larynx. eLIFE. DOI: 10.7554/eLife.77055

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